

Thyroid Nodules Including Hypothyroidism in the
Marshallese Populations as of March 1968

<u>Persons Exposed on</u>	<u>Age at Exposure</u>	<u>Whole Body Gamma Dose (rads)</u>	<u>Estimated Added Thyroid Dose from I*, (rads)</u>	<u>No. in Group</u>	<u>No. and Percent with Nodules</u>
Rongelap Island	<10	175	700 - 1400	19	17 (90%)
	>10	175	160	36	2 (5.5%)
Ailingnae Island	<10	69	275 - 550	6	0
	>10	69	55	8	1 (12.5%)
Utirik Island	<10	14	55 - 110	40	0
	>10	14	15	59	2 (3.4%)
Control Marshallese	<10	61	0	0	0
	>10	133	0	0	3 (2.3%)

* Estimates of the doses to the thyroids of the Rongelapese were recomputed by R. James and J. Gofman, UCRL #12273. December, 1964. Estimates of the thyroid doses of the Ailingnae and Utirik people were by proportionality to the respective whole body gamma doses.

DOE ARCHIVE